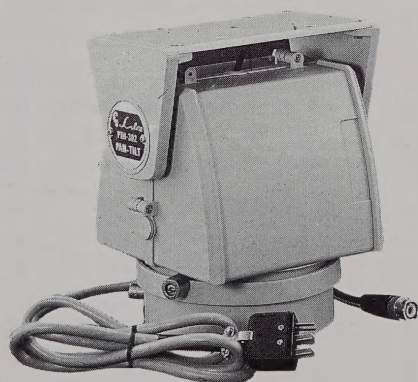


S. Lilin


INDOOR PAN/TILT WITH CONTROL

PIH-302


PIH-302C



IMPORTANT SAFEGUARDS



CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN



CAUTION
TO REDUCE THE RISK OF ELECTRIC SHOCK
DO NOT REMOVE COVER (OR BACK)
NO USER-SERVICEABLE PARTS INSIDE
REFER SERVICING TO QUALIFIED
SERVICE PERSONNEL

GRAPHIC SYMBOL EXPLANATION

The lightning flash with arrowhead symbol, within an equilateral triangle is

intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the unit



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PAN/TILT UNIT

1. INSTALLATION

The PIH-302 is intended to be mounted on a PIH-5003 Wall Mount. Installation of the pan and tilt drive to the wall mount requires a stainless steel 1/4-20 screw supplied with the wall mount. Note the ribs on the underside of the PIH-302 base engage slots in the PIH-5003. This allows positioning of the PIH-302 in any of four directions with respect to the wall mount. Secure PIH-302 to the wall mount using screw from underside of wall mount into PIH-302 and tighten.

2. WIRING OF UNIT

Fabricate the interconnecting cable in accordance with Figure 1. For proper operation,

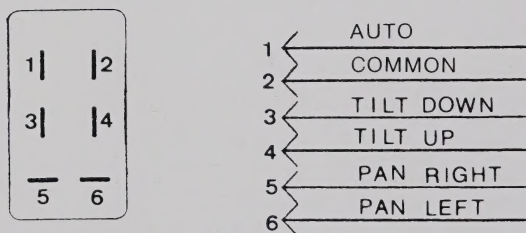


Figure 1
PIH-302 Cable Assembly Diagram

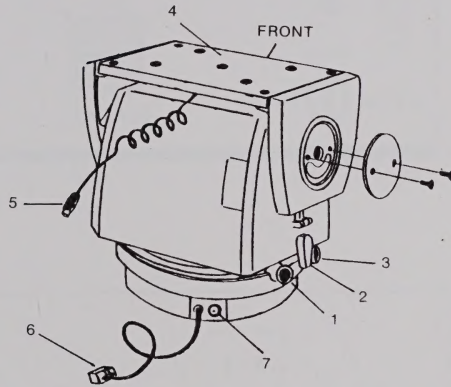
3. INVERTED MOUNTING

When the unit is mounted in the inverted position, the leftright directions are reversed for manual operation. This must be corrected when wiring the cable between control unit and the pan and tilt drive. Simply reverse leads going to terminals 3 and 4.

4. ADJUSTING LIMIT STOPS

After cable is installed and unit has been mounted, proceed as follow:

1. Plug control unit into a 117Va.c. (optional 230Va.c./24Va.c) source. Be sure auto switch is in the OFF position.
2. To adjust pan limit stops (see Figure 2), loosen screws securing both stops(1) and (3) to unit. Slide stops around unit to desired locations and secure by tightening screws.



1. Right Pan Limit Stop.
2. Limit-Switch Actuator.
3. Left Pan Limit Stop.
4. Camera Mounting Plate.
5. 4-conductor cable for video signal.
6. Connection to control.
7. Video Output.

5 MAINTENANCE

This pan and tilt drive requires no lubrication or maintenance for the life of the unit. If the unit fails to function, turn it off and check the fuse on the control unit. Replacement fuse value are given in the instructions supplied with the control unit.

CONTROLLER

1. FRONT/REAR PANEL

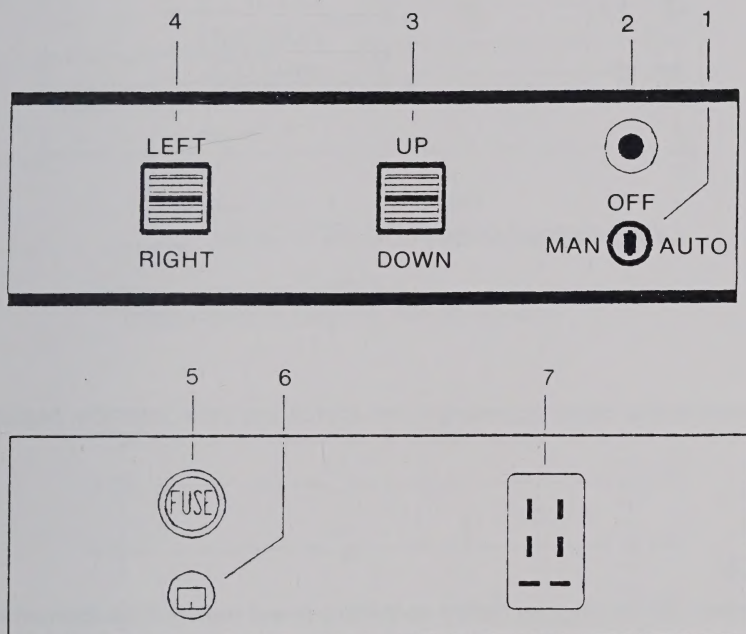


Fig. 3

1. Power/Auto/Manual
2. Indicate Lamp
3. Up/Down (switch 1)
4. Left/Right (switch 2)
5. Fuse
6. a. c. in
7. 6p-socket

2. WIRING OF PAN/TILT

Before connecting pan and tilt controls to the system, slide the module into the card cage or enclosure from front to back, guiding the line cord through first. To secure the module in place, loosen the screw on the retaining bracket located on the rear panel of the module, in the upper right corner. Slide the bracket up and tighten the screw.

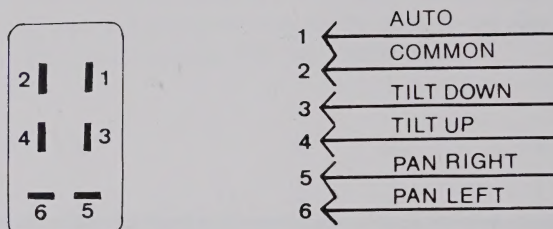


Figure 4
Interconnection Diagram, PIH-302 C Control

Fabricate interconnecting cables according to the appropriate cable assembly diagram (Figures 4).

3. OPERATION

Energize the control unit by plugging the line cord into a power source of the appropriate voltage. The red power indicator light will illuminate.

4. PAN AND TILT

Pan is horizontal change in camera direction, moving the field of view to the left or right. Tilt is a vertical change in camera direction, raising or lowering the field of view.

To pan or tilt the camera, move switches up/down and left/right. the switches control drives pan and tilt functions simultaneously.

To set the unit for automatic pan operation, Switch the AUTO mode. The unit now pans continuously between the preselected limits.

As manual pan functions (obtained by setting "MAN", and moving the switch 1 and switch 2, While a direction of panning is instructed, running will be stopped automatically at the place of a limited stop.

5. SYSTEM INSTALLATON

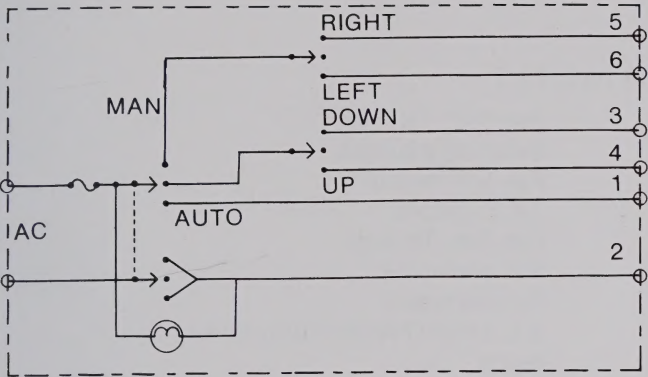


Figure 5
Interconnection Diagram, PIH-302 Control

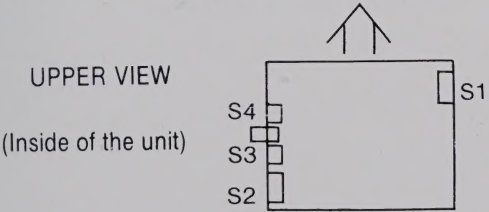
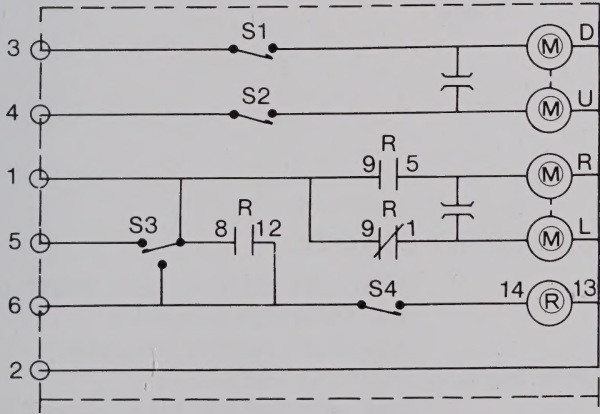


Figure 6
Interconnection Diagram, PIH-302

SPECIFICATION

PIH-302 INDOOR PAN/TILT

Angular Travel	Pan: 350°, Tilt: $\pm 60^\circ$
Limited Stop	Externally adjustable
Speed	Pan: 5.5°/second Tilt: 3°/second
Load Rating	Pan: 7kgs, Tilt: 4kgs
Duty Cycle	Pan: continuous Tilt: Intermittent
Input Voltage	a.c. 24V/117V/230V, 50Hz/60Hz
Motor Output	6watts
Normal Operating Current	24V-0.083A, 117V-0.16A, 230V-0.2A
Cable Requirement	Six conductor, unshield
Operating Temperature	-25°C to +60°C
Construction	Aluminum and plastic
Finish	Off white baked enamel finish
Dimensions	184(H) x 115(ϕ)mm
Weight	1.9kgs

PIH-302C INDOOR PAN/TILT CONTROL

Control Buttons	AUTO/OFF/MANUAL, LEFT/RIGHT, UP/DOWN
Input Voltage	a.c. 117V/230V, 50Hz/60Hz
Output Voltage	a.c. 24V/117V/230V, 50Hz/60Hz
Environment Temperature Operating	-10°C to +60°C
Construction	Steel, with silver gray baked enamel finish
Dimensions	152(W) x 58(H) x 188(D)mm
Weight	1.25kgs

DISTRIBUTOR: